

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("(accelerat\$3andmotorandspeedand pulseandwidthandmodulationandstor\$3).clm.").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/09 14:12
L2	18	(accelerat\$3 and motor and speed and pulse and width and modulation and stor\$3).clm.	USPAT	OR	ON	2007/07/09 14:12
L3	30	(accelerat\$3 and motor and speed and pulse and width and modulation and stor\$3).clm.	US-PGPUB; USPAT	OR	ON	2007/07/09 14:13
L4	1	(accelerat\$3 and motor and speed and pulse and width and modulation and stor\$3 and values and average and angle).clm.	US-PGPUB; USPAT	OR	ON	2007/07/09 14:14
S1	3	("20020029428" "4857814" "5341452" "5507054").PN.	USPAT	OR	ON	2006/12/14 16:34
S2	4	("20020029428" "4857814" "5341452" "5507054").PN.	US-PGPUB; USPAT	OR	ON	2006/12/14 10:09
S3	1760	((8/158) or (8/159) or (68/12.04) or (68/23.1) or (68/12.02)).CCLS.	USPAT; USOCR	OR	OFF	2007/06/26 17:58
S4	0	("I1and(pulsewidthmodulationorPWM)").PN.	USPAT; USOCR	OR	OFF	2006/12/14 16:36
S5	245	S3 and (pulse width modulation or PWM)	USPAT	OR	ON	2006/12/14 16:36
S6	229	S3 and (pulse width modulation or PWM) and (amount load weight size)	USPAT	OR	ON	2006/12/14 16:36
S7	63	S3 and (pulse width modulation or PWM) and (amount load weight size) with (detect measure estimate)	USPAT	OR	ON	2006/12/14 16:37
S8	95	S3 and (pulse width modulation or PWM) and (amount load weight size) with (detect\$3 measure\$3 estimate\$3)	USPAT	OR	ON	2006/12/14 16:40
S9	24	S3 and (pulse width modulation or PWM) adj signal and (amount load weight size) with (detect\$3 measure\$3 estimate\$3)	USPAT	OR	ON	2006/12/14 17:10
S10	14	S3 and ("pulse width modulation" or PWM) adj signal and (amount load weight size) with (detect\$3 measure\$3 estimate\$3)	USPAT	OR	ON	2006/12/15 14:22
S11	1760	((8/158) or (8/159) or (68/12.04) or (68/23.1) or (68/12.02)).CCLS.	USPAT; USOCR	OR	OFF	2006/12/15 14:22

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S12	20	S11 and ("pulse width modulation" or "pulse-width-modulation" or PWM) and memory and (amount load weight size volume) with (detect\$3 measure\$3 estimate\$3)	USPAT	OR	ON	2006/12/18 11:11
S13	4	("5161393"   "5230228"   "5325677"   "5507054").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 17:30
S14	12	("4556827"   "4885518"   "5237256"   "5463301"   "5510689"   "5813069"   "5998958"   "6194864"   "6229719"   "6262555"   "6495980"   "6605912").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 17:35
S15	13	("2935674"   "3152462"   "3248908"   "4292559"   "4749933"   "4986092"   "5146146"   "5677606"   "5701066"   "5734250").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 17:55
S16	10	("4303406"   "4335592"   "4779430"   "4862710"   "5042276"   "5144819"   "5161393"   "5208931"   "5271116"   "5341452").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 17:59
S17	14	("3030790"   "3359716"   "4235085"   "4303406"   "4335592"   "4400838"   "4554805"   "4607408"   "4741182"   "4779430"   "4837882"   "4862710").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 18:07
S18	6	("3029825"   "4235085"   "4607408"   "4741182"   "4742698").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 18:07
S19	1	jp-a-61-8094	USPAT	OR	ON	2006/12/18 10:33
S20	1	jp-a-61-8094	USPAT; JPO	OR	ON	2006/12/18 10:34
S21	0	61-8094	USPAT; JPO	OR	ON	2006/12/18 10:34
S22	1760	((8/158) or (8/159) or (68/12.04) or (68/23.1) or (68/12.02)).CCLS.	USPAT; USOCR	OR	OFF	2007/07/09 14:10
S23	20	S22 and ("pulse width modulation" or "pulse-width-modulation" or PWM) and memory and (amount load weight size volume) with (detect\$3 measure\$3 estimate\$3)	USPAT; JPO; DERWENT	OR	ON	2006/12/18 11:11
S24	41	"washing machine" and ("pulse width modulation" or "pulse-width-modulation" or PWM) and memory and (amount load weight size volume) with (detect\$3 measure\$3 estimate\$3)	USPAT; JPO; DERWENT	OR	ON	2006/12/19 11:02

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S25	74	("washing machine" "automatic washer") and ("pulse width modulation" or "pulse-width-modulation" or PWM) and (memory record digitiz\$4 memoriz\$4 read) and (amount load weight size volume quantity) with (detect\$3 measur\$3 estimat\$3 monitor\$3 confirm\$3 determin\$3 compar\$3)	USPAT; JPO; DERWENT	OR	ON	2006/12/19 11:05
S26	41	"washing machine" and ("pulse width modulation" or "pulse-width-modulation" or PWM) and memory and (amount load weight size volume) with (detect\$3 measure\$3 estimate\$3) .	USPAT; JPO; DERWENT	OR	ON	2006/12/19 11:05
S27	33	S25 not S26	USPAT; JPO; DERWENT	OR	ON	2006/12/19 11:05
S28	2	((("5,208,931") or ("5,072,473"))).PN.	USPAT; USOCR	OR	OFF	2007/01/05 12:12
S29	36	((inertia or coast\$4 or declutch\$4 or disengag\$4 or disconnect\$4 or freewheel\$4 or "free running" or free\$4 or off or decelarat\$4 or remov\$4 or deenergiz\$4) near5 ( basket or drum or motor or drive or power)) and ((angle or rotat\$4 or revol\$5) near5 (measur\$4 or detect\$4 or calculat\$4 or sens\$4 or determin\$4)) and ((laundry or cloth\$4 or garment\$4) near8 (amount or weight or load or size or quantity) near8 (measur\$4 or detect\$4 or calculat\$4 or sens\$4 or determin\$4)) and ((angle or rotat\$4 or revol\$5) near8 (measur\$4 or detect\$4 or calculat\$4 or sens\$4 or determin\$4) near8 (stop\$4 or halt\$4 or end or rest\$4 or cessation or ceas\$4))	USPAT	OR	ON	2007/01/05 12:28

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S30	3	((inertia or coast\$4 or declutch\$4 or disengag\$4 or disconnect\$4 or freewheel\$4 or "free running" or free\$4 or off or decelarat\$4 or remov\$4 or deenergiz\$4) near5 (basket or drum or motor or drive or power)) and ((angle or rotat\$4 or revol\$5) near5 (measur\$4 or detect\$4 or calculat\$4 or sens\$4 or determin\$4)) and ((laundry or cloth\$4 or garment\$4) near8 (amount or weight or load or size or quantity) near8 (measur\$4 or detect\$4 or calculat\$4 or sens\$4 or determin\$4)) and ((angle or rotat\$4 or revol\$5) near8 (measur\$4 or detect\$4 or calculat\$4 or sens\$4 or determin\$4) near8 (stop\$4 or halt\$4 or end or rest\$4 or cessation or ceas\$4)) and average near10 time	USPAT	OR	ON	2007/01/05 12:20
S31	3	"6460381"	USPAT	OR	ON	2007/01/05 12:28
S32	53431	"8".clas. "68".clas.	USPAT	OR	ON	2007/06/26 17:59
S33	13	S32 and ("pulse width modulation" pulse-width-modulation PWM) same (load amount weight size) with (detect\$4 sens\$4 calculat\$4 measur\$4 estimat\$4)	USPAT	OR	ON	2007/06/28 12:01
S34	53431	"8".clas. "68".clas.	USPAT	OR	ON	2007/06/28 12:02
S35	21	S34 and ("pulse width modulation" pulse-width-modulation PWM) with (detect\$4 sens\$4 calculat\$4 measur\$4 estimat\$4)	USPAT	OR	ON	2007/06/28 16:39
S36	8	S34 and ("pulse width modulation" pulse-width-modulation PWM) with (stor\$4)	USPAT	OR	ON	2007/06/28 15:27
S37	0	S34 and ("pulse width modulation" pulse-width-modulation PWM) with (digitiz\$4 memoriz\$4)	USPAT	OR	ON	2007/06/28 15:28
S38	3	S34 and ("pulse width modulation" pulse-width-modulation PWM) with (read\$4)	USPAT	OR	ON	2007/06/28 15:28
S39	27	S34 and ("pulse width modulation" pulse-width-modulation PWM) with (current)	USPAT	OR	ON	2007/06/28 15:29
S40	1	"20010054204"	US-PGPUB	OR	ON	2007/06/28 16:39